6-BAND PORTABLE RADIO



DX-60 CB/SW MONITOR

OWNER'S MANUAL

PLEASE READ BEFORE
USING THIS EQUIPMENT



Cat. No. 12-764

CUSTOM MANUFACTURED FOR RADIO SHACK A DIVISION OF TANDY CORPORATION

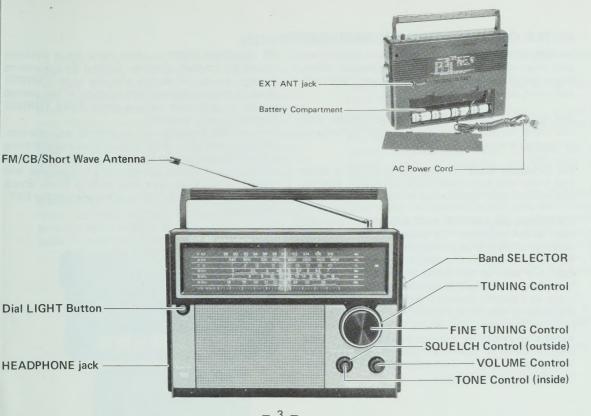
Your PEALISTIC® DX-60 CB/SW MONITOR is a high-quality, sensitive 6-band superheterodyne radio that includes the CB Band (26.965–27.405) plus three Short Wave Bands: SW1 (3–7 MHz), SW2 (7–18 MHz) and SW3 (18–26 MHz). These are in addition to the standard AM (520–1620 kHz) and FM (88–108 MHz) broadcast bands.

The DX-60 CB/SW MONITOR will operate either from batteries (4 type "C" batteries) or standard AC power (120 volts, 60 Hz, or 240 V, 50 Hz for Australian models). If the AC power should fail, an automatic circuit switches over to the battery power with no interruption of sound.

The circuitry is all solid-state, built on rugged printed circuit boards. This insures maximum reliability. The combination of hi-fi circuit design and top-quality 4" (10 cm) permanent magnet dynamic speaker provides superior sound reproduction. A full complement of controls, plus a Telescoping antenna and provision for external antennas assures you of greatest enjoyment of your new Radio.

FEATURES

- * All silicon solid-state design, including IF and Audio Power IC assures maximum output and lowest distortion with minimum power consumption.
- * Rotary switch and band indicator for convenient band selection.
- * Built-in Automatic Frequency Control (AFC) for drift-free FM reception.
- * Fine Tuning for precise tuning on all bands.
- * Squelch Control to eliminate background noise between messages on CB Band.
- * External Antenna jack for superior reception on CB, FM and Short Wave Bands.
- * Automatic power switch-over from AC to batteries in case of AC power failure.
- Headphone jack for communications type headphones (¼" or 6.35 mm plug).
- * 2 Integrated Circuits, 9 Transistors, 15 Diodes (including 2 in the power rectifier circuit).
- 30" (75 cm) telescoping swivel-mount antenna for FM, CB and Short Wave reception.
- * Built-in Ferrite Loopstick antenna for AM and SW1 reception.
- * Efficient 4" (10 cm) PM Dynamic speaker for superior sound reproduction.



Band SELECTOR turn to make yellow indicator appear next to the desired band of operation as noted at the right side of the slide-rule dial.

TONE Control adjust for desired sound quality.

SQUELCH Control functions on CB band. It silences the radio between station transmissions. Use as follows: Tune to the desired frequency; then, between transmissions, adjust in a clockwise direction until the noise ceases do not rotate past this point. Now, when a transmission is made, you will hear it, but will not be annoyed by the background noises between messages.

NOTE: Too "high" a setting will block reception of weaker signals.

VOLUME Control turns power "on" and controls the level of sound from speaker or phones.

TUNING adjust to the desired frequency as shown on the slide rule dial. The inner knob is FINE TUNING and is handy for tuning in difficult-to-get or weak stations, providing more precise, slower rate of tuning. FINE TUNING functions on all bands.

FM/CB/Short Wave Antenna extend to its full length for FM, CB and Short Wave reception. Swivel as required for best reception.

Dial LIGHT Button when operating on batteries, press this button to illuminate the Dial. Use sparingly to conserve batteries.

EXT ANT jack for superior reception on FM/CB and the three Short Wave bands, connect an external antenna to this jack. Use a suitable antenna for each band. Your Radio Shack store has a complete selection of antennas. Connection of an external antenna will have no effect on AM reception.

HEADPHONE jack for private listening, plus headphones into this jack; it automatically disconnects the built-in speaker. Use communications type headphones with ¼" (6.35 mm) plug (Radio Shack Catalog Number 279-200 or 279-198).

SERVICE AND MAINTENANCE

Only the highest quality parts are used in your Radio, therefore it will require little or no service. However, there are a few things you can do to insure maximum life and performance.

Never leave the radio in high temperature areas such as inside your car sitting in the hot sun. Excessive temperatures can damage internal parts. Never clean the case with a strong thinner (nail polish remover, benzine, etc.); a slightly damp cloth normally will be adequate.

Never leave dead or weak batteries in the radio. If you do not intend to use the radio for a few weeks, remove the batteries. Old, weak batteries can leak chemicals (even so-called "leak-proof" types). These chemicals can cause severe damage.

When batteries are weak, replace them with Radio Shack Catalog Number 23-581 or 23-551 "C" batteries (four required).

If your Radio ever should require service, take it to a local Radio Shack store. They have qualified people, equipment and parts to properly service your unit.

USING YOUR RADIO

To prepare your radio for operation, open the back cover by pressing in the direction shown next to the two tabs. Install 4 type "C" batteries, observing the battery polarity as shown inside the battery compartment. For AC operation, remove the end of the line cord. Replace the back cover and press the tabs upward. For AC operation, extend the line cord through notch in the battery compartment, replace cover and plug the line cord into a source of 120 volts, 60 Hz (240 volts, 50 Hz for Australian models) AC power.

WARNING! Weak batteries, including "leakproof" types, can swell and leak. To avoid damage, remove batteries when weak or if you are going to store the radio for a period of time.



- Turn power "on" by rotating VOLUME in a clockwise direction.
- 2. Use the **Band SELECTOR** to set to the desired band of operation.

For Short Wave, CB and FM reception, extend the FM/CB/Short Wave antenna; swivel as desired for best reception.

Adjust TUNING and FINE TUNING for the desired station of operation. Set VOLUME and TONE as required.

3. When listening to the CB band, the SQUELCH control can be adjusted to eliminate the annoying background noise between station transmissions. Adjust the control in a clockwise direction to just cut out background noise when a station is not transmitting. When the station transmits again, the signal will be heard. Experiment with this control a little to get the "feel" of it.

NOTE: For extremely weak signal reception, leave **SQUELCH** in the maximum counterclockwise position.

For private listening, plug in headphones (requires ¼" or 6.35 mm plug).

NOTES ON OPERATING ON EACH BAND

To help you understand and appreciate what to expect from each band, here are some helpful notes. Reception of signals on other than AM and FM Broadcast varies with many things.

AM Broadcast Band you are most familiar with this band. Reception may be improved by rotating or moving the radio.

FM Broadcast Band range of reception is about 100 miles (160 km) under good conditions. Best reception and most activity will be near large cities.

CB Citizens Band, 26.965 to 27.405 MHz you will hear many interesting CB stations. The frequency coverage of 26.965 to 27.405 MHz will allow you to receive local signals being broadcast over the 40 channels. Just tune to the desired channel. At these high radio frequencies, your radio may not stay tuned precisely to a specific channel — especially if you subject the radio to hard bumps and/or it is exposed to temperature changes. Such effects will change internal tuned circuits slightly and thus you may have to tune slightly above or below the dial channel markings. This is normal and in most cases you will soon learn to compensate accordingly.

SW Broadcast Bands best reception is obtained during the hours of darkness. Extend the telescoping antenna to its full length. Use the outer TUNING knob to tune to approximate position of the desired station on dial; then use the center FINE TUNING knob to tune in precisely.

For best SW reception, use an external antenna connected to the EXT. ANT. jack. We recommend using a Radio Shack Catalog Number 278-758. Follow the instructions provided for installation. You also will require a Motorola type plug such as Radio Shack Catalog Number 274-711 for connecting to the EXT. ANT. jack.

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SPECIFICATIONS

Frequency Coverage: AM 520-1620 kHz

SW1 3-7 MHz

SW2 7–18 MHz SW3 18–26 MHz

FM 88-108 MHz

CB 26.965-27.405 MHz

IF Frequency: FM 10.7 MHz

All Other Bands 455 kHz

Power Output: 400 milliwatts (10% THD)

Batteries: 4 "C" Cells

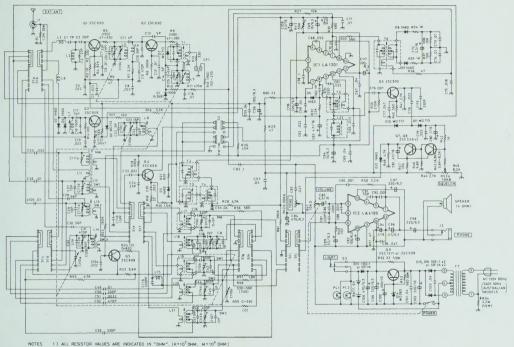
AC Power 120 volts, 60 Hz (240 volts, 50 Hz for Australian models)

Antennas: AM/SW1 ferrite rod built-in, plus

Telescopic antenna for FM/CB/SW1-3

Dimensions: 10½" (26.5 cm) High, 12" (30 cm) Wide, 4" (10 cm) Deep

SCHEMATIC DIAGRAM



- - 2) ALL CAPACITOR VALUES ARE INDICATED IN "JF". (P=10"4 JF)
 - +: FOR AUSTRALIAN MODELS, R1 AND R54 ARE NOT USED

RADIO SHACK LIMITED WARRANTY

This equipment is warranteed against defects for 90 days from date of purchase. Within this period, we will repair it without charge for parts and labor. Simply bring your sales slip as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover equipment subjected to misuse or accidental damage.

This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

We Service What We Sell

RADIO SHACK A DIVISION OF TANDY CORPORATION

U.S.A.: FORT WORTH, TEXAS 76102 CANADA: BARRIE, ONTARIO L4M 4W5

TANDY CORPORATION

AUSTRALIA BELGIUM U.K.

280-316 VICTORIA ROAD PARC INDUSTRIEL DE NANINNE BILSTON ROAD, WEDNESBURY,
RYDALMERE,N.S.W.2116 5140 NANINNE WEST MIDLANDS WS10 7JN

SHORT WAVE GUIDE

The following tables show major locations from which short wave broadcasts originate. You will not get them all as there are frequent changes in broadcasts times and frequencies. On the other hand you may get some that are not listed here...keep a log of these...this is all part of the fun!

COUNTRY	CITY	STATION NAME	CALL LETTERS	FREQ. (MHz)	METER BAND
ALBANIA	Tirana	R. Tirana		9,677	31
ARGENTINA	Buenos Aires Buenos Aires	R. Nacional R. Nacional	LRA32	9.690 15.295	31 19
AUSTRALIA	Melbourne Melbourne Melbourne Melbourne Perth	Austr. BC R. Australia R. Australia R. Australia Austr. BC	VLR9 VLW6	7.220 9,680 11.790 15.240 6,140	41 31 25 19 49
AUSTRIA	Vienna Vienna	R. Austria R. Austria		15.240 17.765	19 16
BELGIUM	Brussels Brussels	Beig, R. & TV Belg, R. & TV	ORU ORU	9.720 11.720	31 25
BRAŽIL	Recife Rio de Janeiro Rio de Janeiro	R. Journal do Comercio R. Nacional R. Rio de Janeiro	ZYK33 PRL7 ZPY23	15.145 9.720 5.045	19 31 60
BULGARIA	Sofia	R. Sofia		9.560	31
BURMA	Rangoon	Burma BC		6.035	49
CAMBODIA	Phnom Penh	R. Nationale Khmere		17,705	16
CAMEROON	Yaounde	R. Yaounde		6.050	49
CANADA	Montreal, P. Q. Montreal, P. Q. St. Johns, Nfld, Toronto, Ont Vancouver, BC,	R. Canada R. Canada Canadian BC Canadian BC	CKLO CHOL CBNX CFRX CBUX	9.630 11.720 6.160 6.070 6.160	31 25 49 49
CEYLON	Colombo	R. Ceylon		9.670	31
CHILE	Santiago	R.Corp de Sant.	CE1515	15,150	19
CHINA	Peking Peking	R. Peking R. Peking		11,800 15,095	25 19
	Taipei Taipei	BC of China BC of China	BED57 BED77	15,345 17,890	19 16
COLOMBIA	Cali	R. el Sol	HJNE	6,115	49
(FRENCH-AFRICAN)	Brazzaville	R. Congo		15,190	1.9
COSTA RICA	San Jose	Faro del Caribe	TIFC	9,645	31.
CUBA	Havana Havana	R. Havana R. Havana		9.670 15.135	31
CYPRUS	Limassol	BBC		15.375	19
CZECHOSLOVAKIA	Prague	R. Prague	OLR3A	9,550	31
DENMARK	Copenhagen Copenhagen	V. of Denmark V. of Denmark	OZF5 OZF7	9.520 15.165	31 19

COUNTRY	CITY	STATION NAME	CALL LETTERS	FREQ. (MHz)	METER BAND
DOMINICAN					
REPUBLIC	Santo Domingo	Santo Domingo TV	HI4U	9,505	31
ECUADOR	Quito Ouito	R Nacional V. de los Andes	HCYZI HCJB	4.940 9.745	60 31
	Quito	V. de los Andes	HCJB	15.115	19
EGYPT (U.A.R.)	Cairo	U. A. R. BC		9.780	31
EL SALVADOR	Cairo San Salvador	U. A. R. BC	YSS	11.915 9.555	25 31
EL SALVADOR ETHIOPIA	Addis Ababa	R Nacional R, V, of Gospel	ETLF	15.410	19
FINI AND	Helsinki	Finnish BC	OIX4	15.410	19
FRANCE	Paris	Paris Vous Parle	OIA4	7.160	41
1111102	Paris	Paris Vous Parle		9.560	31
	Paris	Paris Vous Parle		11.920	25
CERMANN/ (EACT)	Paris	Paris Vous Parle		15.160	19
GERMANY (EAST) GERMANY (WEST)	Berlin	R. Berlin Int'l	D1400	11.920 9.545	25
GERMANY (WEST)	Cologne Cologne	Deutsche Welle Deutsche Welle	DMQ9 DMQ15	15,275	19
GHANA	Accra Accra	Ghana BC Ghana BC		11.800 17.910	25 18
GREAT BRITAIN	London	BBC	GRJ	7.325	42
	London	BBC	GRH	9.825	31
	London London	BBC BBC	GSO	15.180 17.990	19
GREECE	Thesaloniki	R. Thesaloniki		9.710	31
GUATEMALA	Guatem. Cty	E. Cultual	TGNB	9.670	31
GOTTEMPLET	Quezaltenango	R. Nac. Quezalt	TGQB	11.700	25
GUINEA REPUBLIC	Conakry	V. of Revolution		9.650	31
HAITI	Cap Haitien	R. Citadelle	4VWA	6.156	49
HUNGARY	Budapest	R. Budapest		11.910	25
INDIA	Delhi Delhi	All India R. All India R.	VUD	15.225 15.310	19
INDONESIA	Diakarta	V. of Indonesia		9.770	31
	Djakarta	V. of Indonesia	YDF2	11.715	16
IRAN	Tehran	R. Iran		7.100	41
IRELAND	Baile Atha Cliath	R. Oglaigh Na H-Eireann		17.544	16
ISRAEL	Jerusalem	V. of Israel		7.412	41
	Jerusalem	V. of Israel		11.655	25
ITALY	Rome Rome	RAI RAI		9.575 17.800	31 25
IVORY COAST	Abidjan •	R. Abidjan		11,820	25
JAPAN	Tokyo Tokyo	R. Japan NHK BC of Japan	JOA17	17.875 9.740	16 31
JORDAN	Amman	R. Amman		9.560	31
KOREA	Seoul	KBS		9. 64	31
LEBANON	Beirut	Lebanese BC		9.620	31
	Beirut	Lebanese BC		11.890	25
LIBERIA	Monrovia Monrovia	R. Village R. Village	ELWA ELWA	11.975 15.155	25 19
LUXEMBOURG	Villa Louvigny	R. Luxembourg		6.090	49

TIME AND FREQUENCY STANDARDS

WWV (Greenbelt, Md.): 5, 10, and 15 MHz WWVH (Maui, Hawaii): 5, 10, and 15 MHz

AMATEUR BANDS

METER-BAND (Wavelength) FREQUENCY (MHz)

40M	7. 0 to 7. 3
20M	14. 0 to 14.35
15M	21. 0 to 21.45

COUNTRY	CITY	STATION NAME	CALL LETTERS	FREQ. (MHz)	METER BAND
MAURITIUS	Forest Side	Mauritius BC		9.710	31
MEXICO	Mexico City Mexico City	R. Comerciales V. Amer. Latina	XEHH XEWW	11.880 9.515	25 31
MONACO	Monte Carlo	Trans. World R.		9,633	31
MOROCCO	Rabat	Moroccan BC		11.735	25
MOZAMBIQUE	Lourenco Marques Lourenco Marques	R. Club R. Club	CR7AA	7.250 11.760	41 25
NETHERLANDS	Hilversum Hilversum Hilversum	R. Netherlands R. Netherlands R. Netherlands		5.985 15.425 17.810	49 19 16
NEW ZEALAND	Wellington Wellington	N. Z. Calling N. Z. Calling	ZL2 ZL4	9.540 15.280	31 19
NIGERIA (FEDERATION)	Ibadan	Nigerian BC		6.185	49
NORWAY	Oslo Oslo	R. Norway R. Norway	LLK LLM	11.850 15.175	25 19
PAKISTAN	Karachi	R. Pakistan		15.190	19
PERU	Iquitos Lima Puno	R. Amazonas R. Nacional	OAX80 OAX4T OAX7F	9.770 15.150 9.570	31 19 31
PHILIPPINES	Manila	Far East BC		11.850	25
POLAND	Warsaw Warsaw Warsaw	R. Warsaw R. Warsaw R. Warsaw		7.925 9.925 11.840	38 31 25
PORTUGAL	Lisbon Lisbon	Lisbon Calling Lisbon Calling		6.025	49
RHODESIA & NYASALAND					
SARAWAK	Lusaka	Federal BC		7.285	41
SENEGAL REPUBLIC	Kuching Dakar	R. Sarawak		7.270 9.720	41
S AFRICA	Dakar	R. Senegal		9.720	31
(REPUBLIC)	Paradys	Springbrook R		11.900	25
SPAIN	Madrid	R, Nacional		9,615	31
SURINAM	Paramaribo	R. Surinam	PZC	15.445	19
SWEDEN	Stockholm	R. Sweden		11.805	25
SWAN ISLAND	Swan	R. Americas		6.000	49
SWITZERLAND	Berne Berne	Swiss BC Swiss BC	HER4 HER5	9.535 11.865	31 25
SYRIA	Damascus	R. Damascus		15.165	19
TAHITI	Papeete Papeete	R. TV Française R. TV Française		6.135 11.825	49 25
THAILAND	Bangkok	R. Bangkok		11,910	25
TURKEY	Ankara	R. Ankara	TAU	15,160	19
U. S. S. R.	Alma Ata Kiev Moscow	R. Alma Ata R. Kiev R. Moscow		10,530 11,790 9,860	28 25 30
	Moscow	R, Moscow		11.730	25

MARINE BANDS

FREQUENCY (MHz)

4.0 to 4,438 6.2 to 7.0 8.195 to 9.5

INTERNATIONAL BROADCAST BANDS

METER-BAND (Wavelength) FREQUENCY (kHz)

60M	4750 to 5060
49M	5950 to 6200
41M	7100 to 7300
31M	9500 to 9775
25M	11700 to 11975
19M	15100 to 15450
16M	17700 to 17900

COUNTRY	CITY	STATION NAME	CALL LETTERS	FREQ. (MHz)	METER BAND
URUGUAY	Montevideo	R. Espectador	CXA19	11.835	25
VATICAN	Vatican City Vatican City Vatican City	Vatican R. Vatican R. Vatican R.		9.645 11.740 15.120	31 25 19
VENEZUELA	Caracas	R. Nacional	YVKO	6,170	49
VIETNAM	Hanoi	V. of Vietnam		15.100	19
WINDWARD ISLANDS	St. Georges St. Georges	Windward I, BC Windward I, BC		5.010 11.730	60 25
YUGOSLAVIA	Belgrade	R. Belgrade		15.240	19
CLANDESTINE		R. Liberdad R. Omega R. Portugal Livre R. Peykje R. Peykje		7.313 11.550 9.575 11.400 11.695	41 25 31 25 25
	VOIC	E OF AMERICA			11 7 11
U. S. A.	Greenville N. C			5.965	49
	ARMED FORCES RAD	OIO AND TELEVISIO	N SERVICE		
U. S. A. U. S. A. U. S. A.	Los Angeles. Cal. New York, N. Y. New York, N. Y.		KCBR5 WDS1 WDS13	15.210 15.225 15.270	19 19 19
	UNI	TED NATIONS	derman and		
U. S. A. U. S. A.	New York, N. Y. New York, N. Y.			6.190	49

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